U.S. Patent Appln. Ser. No. 10/723,957 entitled "Compact Pointing Device" to Jonah Harley.; Avago Technologies Attorney Docket No. 10030477-1; Woods Patent Law Docket No. P AVG 180.

 Amendmer

A. In the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims

8. (cancelled)

Please cancel claims 4, 8, 16 and 25-30, and add new claims 31-44 as follows:

follows:

1. (previously cancelled).

2. (previously cancelled).

3. (previously cancelled).

4. (cancelled)

5. (previously cancelled).

6. (previously cancelled).

7. (previously cancelled).

J.S. Patent Appln, Ser, N	o. 10/723,957 entitled	"Compact Pointing	Device" to	Jonah Harley.; Avago
Fechnologies Attorney De	ocket No. 10030477-1:	Woods Patent Law	Docket No). P AVG 180.

9. (previously cancelled).
10. (previously cancelled).
11. (previously cancelled).
12. (previously cancelled).
13. (previously cancelled).
14. (previously cancelled).
15. (previously cancelled).
16. (cancelled)
17. (previously cancelled).
18. (previously cancelled).
19. (previously cancelled)
20. (previously cancelled).
21. (previously cancelled).

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22.	(previously cancelled)
23.	(previously cancelled)
24.	(previously cancelled)
25.	(cancelled)
26.	(cancelled)
27.	(cancelled)
28.	(cancelled)
29.	(cancelled)
30.	(cancelled)

(new) A pointing system, comprising:

- (a) a moveable puck configured to move laterally within a puck field of motion ("PFOM") in response to a user applying a lateral force thereto, the puck comprising a pressure sensing system configured to sense a first predetermined vertical pressure level applied by the user to the puck;
- (b) a position detector configured to measure puck position within the PFOM as the puck is moved laterally by the user therewithin, the position detector further being configured to report the puck position to a processor configured to actuate or cause to be actuated tracking or movement of a cursor on a display, the tracking or movement of the cursor corresponding to lateral movement of the puck by the user within the PFOM; and
- (c) a puck return mechanism attached to the puck and configured to return the puck to, or hold the puck in, a resting position within the PFOM when the user stops applying, or does not apply, vertical pressure to the puck;

wherein the system is configured actuate or cause to be actuated tracking or movement of the cursor on the display corresponding to lateral movement of the puck by the user within the PFOM when the user applies vertical pressure to the puck that is greater than or equal to the first predetermined vertical pressure level, and to cause the cursor to stop tracking or moving on the display when the user applies vertical pressure to the puck that is at least one of less than the first predetermined level and no vertical pressure.

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- 32. The system of claim 31, wherein the pressure sensing system is further configured to sense a second predetermined vertical pressure level applied by the user to the puck, the second predetermined vertical pressure level being greater than the first predetermined pressure level.
- 33. (new) The pointing system of claim 32, wherein the system is further configured to implement a "click" function when the user applies vertical pressure to the puck that is greater than or equal to the second predetermined pressure level.
- 34. (new) The system of claim 33, wherein when the "click" function is implemented tactile feedback is provided to the user.
- 35. (new) The system of claim 31, wherein the position detector comprises a capacitance measurement circuit.
- 36. (new) The system of claim 31, wherein the position detector comprises an electrical current measurement circuit.
- 37. (new) The system of claim 31, wherein the position detector comprises an optical imaging system.

- 38. (new) The system of claim 31, wherein the pressure sensing system comprises a capacitance measurement system.
- 39. (new) The system of claim 31, wherein the pressure sensing system comprises a compressible foam layer whose electrical resistivity varies according to the amount by which the foam is compressed by the user.
- 40. (new) The system of claim 31, wherein the puck return mechanism comprises a plurality of magnets.
- 41. (new) The system of claim 31, wherein the puck return mechanism comprises a plurality of springs.
- 42. (new) The system of claim 39, wherein the plurality of springs includes at least one of a meander spring, a helical spring and a spiral spring.
- 43. (new) The system of claim 39, wherein the plurality of springs comprises at least four springs.
- 44. (new) The system of claim 39, wherein the puck return mechanism further comprises means for damping oscillations induced by the plurality of springs.